WEST Search History

DATE: Monday, December 30, 2002

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ			
L14	L13 same (F2 adj BETA)	1	L14
L13	F adj BOX	488	L13
L12	L11 and l10 and l9	1	L12
L11	WINSTON-JEFFREY-$.in.	23	L11
L10	ELLEDGE-STEPHEN-$.in.	9	L10
L9	HARPER-JEFFREY-$.in.	17	L9
DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ			
L8	L7	1	L8
L7	6046015.pn.	1	L7
L6	604615.pn.	0	L6
L5	L3 same expression	12	L5
L4	L3 same interven$	0	L4
L3	L2 same advantag$	116	L3
L2	flanking region$ same (nucleic acid or polynucleotide or sequence)	2931	L2
L1	5' and 3' flanking regions	1	L1

END OF SEARCH HISTORY

☐ 1: H58848. yr36e07.r1 Soares...[gi:1011680] Links

IDENTIFIERS

dbEST Id: **360267**
EST name: yr36e07.r1
GenBank Acc: H58848
GenBank gi: 1011680
GDB Id: 3776527

CLONE INFO
Clone Id: IMAGE:207396 (5')
Insert length: 1404
DNA type: cDNA

PRIMERS
Sequencing: M13RP1
PolyA Tail: Unknown

SEQUENCE

TGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAA
AAAGTTTAGCAGTGCTGTCCTCGNGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC
TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC
ACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAA
TCTGCAACCATACTGGGCAAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG
CACTCTTGTCCAGTGGCTTAATTTATCTTGGACTGGGCAATAGAGGCTTCATCTCTGTTG
CAGGATTTAGCAGGTTTCTGGAAGGTTTTGTGGGTTCCGAATTTAGTACGNCTTGGAAT

Quality: High quality sequence stops at base: 323

Entry Created: Oct 6 1995
Last Updated: Oct 6 1995

COMMENTS

Insert Size: 1404
High quality sequence stops: 323
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY
Lib Name: Soares fetal liver spleen 1NFLS
Organism: Homo sapiens
Sex: male
Organ: Liver and Spleen
Develop. stage: 20 week-post conception fetus
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Pac I

R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M. , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: July 5, 2002.

Dec 19 2002 15:44:50

52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
Tel: +82-42-860-4470
Fax: +82-42-860-4409
Email: yongsung@mail.kribb.re.kr
Plate: 26 row: G column: 10
High quality sequence stop: 605.

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FEATURES             Location/Qualifiers
     source          1. .605
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                     /clone_lib="S12SNU216"
                     /sex="F"
                     /tissue_type="Lymph node"
                     /cell_type="Epithelial"
                     /cell_line="SNU-216"
                     /lab_host="Top10F'"
                     /note="Organ: Stomach; Vector: pCNS; Site_1: EcoRI;
                     Site_2: NotI; The poly (A)+ RNA was dephosphorylated with
                     bacterial alkaline phosphatase (BAP) and then decapped
                     with tabacco acid pyrophosphatase (TAP). The decapped
                     intact mRNA was ligated with DNA-RNA linker including EcoR
                     I site by treatment of T4 RNA ligase and the first strand
                     cDNA was synthesized from oligo dT-selected mRNA by
                     priming with dT-tailed vector. The dT-tailed vector was
                     adjusted to have about 60nt. The cDNA vector was
                     circularized with E. coli DNA ligase after digestion of
                     EcoRI which site is also included in vector. An RNA strand
                     converted to a DNA strand by Okayama-Berg method. The
                     obtained cDNA vectors were used for transformation of
                     competent cells E. coli Top10F' by electroporation method.
                     The cDNA libraries constructed by this method are
                     full-length enriched cDNA library."
BASE COUNT      175 a    131 c    123 g    176 t
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  Matches  337;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      21 TGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAA 80
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Db     269 TGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAA 328

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Db     329 AAAGTTTAGCAGTGCTGTCCTCGGGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC 388

Qy     141 TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC 200
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Qy     201 ACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAA 260
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Qy     261 TCTGCAACCATACTGGGCAAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG 320
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Db     509 TCTGCAACCATACTGGGCAAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG 568

Qy     321 CACTCTTGTCCAGTGGCTTAATTTATCTTGGACTGGC 357
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Db     569 CACTCTTGTCCAGTGGCTTAATTTATCTTGGACTGGC 605
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RESULT 5

[redacted] 419 bp mRNA linear EST 06-OCT-1995

[redacted] rl Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone [redacted] 5', mRNA sequence.


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SOURCE       human.
  ORGANISM   Homo sapiens
             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
             Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1  (bases 1 to 419)
  AUTHORS    Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
             ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
             Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston
             ,R., Williamson,A., Wohldmann,P. and Wilson,R.
  TITLE      The WashU-Merck EST Project
  JOURNAL    Unpublished (1995)
COMMENT      Contact: Wilson RK
             Washington University School of Medicine
             4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
             Tel: 314 286 1800
             Fax: 314 286 1810
             Email: est@watson.wustl.edu
             Insert Size: 1404
             High quality sequence stops: 323
             Source: IMAGE Consortium, LLNL
             This clone is available royalty-free through LLNL ; contact the
             IMAGE Consortium (info@image.llnl.gov) for further information.
             Insert Length: 1404   Std Error: 0.00
             Seq primer: M13RP1
             High quality sequence stop: 323.
FEATURES             Location/Qualifiers
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                     /db_xref="GDB:3776527"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:207396"
                     /clone_lib="Soares fetal liver spleen 1NFLS"
                     /sex="male"
                     /dev_stage="20 week-post conception fetus"
                     /lab_host="DH10B (ampicillin resistant)"
                     /note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
                     with a modified polylinker; Site_1: Pac I; Site_2: Eco RI;
                     1st strand cDNA was primed with a Pac I - oligo[dT] primer
                     [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTT 3'],
                     double-stranded cDNA was ligated to Eco RI adaptors
                     (Pharmacia), digested with Pac I and cloned into the Pac I
                     and Eco RI sites of the modified pT7T3 vector.  Library
                     went through one round of normalization. Library
                     constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT      113 a     84 c     94 g     126 t      2 others
ORIGIN
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  Best Local Similarity   99.7%;  Pred. No. 3.3e-145;
  Matches  335;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

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Qy      81 AAAGTTTAGCAGTGCTGTCCTCGGGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC 140
           |||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db      61 AAAGTTTAGCAGTGCTGTCCTCGNGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC 120

Qy     141 TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC 200
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC 180

Qy     201 ACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAA 260
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Db     181 ACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAA 240

Qy     261 TCTGCAACCATACTGGGCAAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG 320
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Db
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/dev_stage="4 weeks"
/lab_host="DH10B"
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCGTTTTTTTTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. RNA provided by Dr. Bertrand Jordan. Library went through two rounds of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT 135 a 115 c 122 g 126 t
ORIGIN

Query Match 26.9%; Score 370.8; DB 9; Length 498;
Best Local Similarity 87.6%; Pred. No. 1.1e-81;
Matches 417; Conservative 0; Mismatches 57; Indels 2; Gaps 1;

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Qy    519 CTGTGATAAGCTACCACCTCAAGCTTTCAACCACATTGCCAAGTTATGCAGCCTTAAACG 578
          ||| ||||| || |||||||| |||||   ||| ||||||||||||||||||||| ||  |
Db      1 CTGCGATAAACTCCCACCTCAGGCTTTTGGCCATATTGCCAAGTTATGCAGCCTCAAGAG 60

Qy    579 ACTTGTTCTCTATCGAACAAAAGTAGAGCAAACAGCACTGCTCAGCATTTTGAACTTCTG 638
          |||||||||||||| |||||||||||||||||||||||||| || ||||||||||||||||
Db     61 GCTTGTTCTCTATCGGACAAAAGTAGAGCAAACAGCACTACTGAGCATTTTGAACTTCTG 120

Qy    639 TTCAGAGCTTCAGCACCTCAGTTTAGGCAGTTGTGTCATGATTGAAGACTATGATGTGAT 698
          | |||||||||||||||||||  | ||||| ||||| |||||||||| ||||||||||
Db    121 TGCAGAGCTTCAGCACCTCAGCCTGGGCAGCTGTGTGATGATTGAAGATTATGATGTGAT 180

Qy    699 AGCTAGCATGATAGGAGCCAAGTGTAAAAAACTCCGGACCCTGGATCTGTGGAGATGTAA 758
          ||| |||||||||||||||||||||||||| || |||||  |||||||||||||||| ||
Db    181 AGCCAGCATGATAGGAGCCAAGTGTAAAAACCTGCGGACTTTGGATCTGTGGAGATGCAA 240

Qy    759 GAATATTACTGAGAATGGAATAGCAGAACTGGCTTCTGGGTGTCCACTACTGGAGGAGCT 818
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Db    301 TGACCTTGGCTGGTGCCCCACCCTTCAGAGCAGCACTGGGTGCTTTGTCAGACTGGCACG 360

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Qy    939 CATTGATGAATTGGCATGTAATTGTACCAGGTTACAGCAGCTGGACATATTAGGTA 994
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Db    419 CATAGAAGAACTGGCATCTAATTGTACCAGATTACAGCAACTGGACATATTAGGAA 474
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RESULT 11
H58848
LOCUS H58848 419 bp mRNA linear EST 06-OCT-1995
DEFINITION yr36e07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:207396 5', mRNA sequence.
ACCESSION H58848
VERSION H58848.1 GI:1011680
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 419)
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
WashU-Merck EST Project
ished (1995)
lson RK
versity School of Medicine

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 1404
High quality sequence stops: 323
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 1404 Std Error: 0.00
Seq primer: M13RP1
High quality sequence stop: 323.
FEATURES Location/Qualifiers
source 1. .419
/organism="Homo sapiens"
/db_xref="GDB:3776527"
/db_xref="taxon:9606"
/clone="IMAGE:207396"
/clone_lib="Soares fetal liver spleen 1NFLS"
/sex="male"
/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"
/note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site_1: Pac I; Site_2: Eco RI; 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT 113 a 84 c 94 g 126 t 2 others
ORIGIN

Query Match 26.9%; Score 370.6; DB 14; Length 419;
Best Local Similarity 98.5%; Pred. No. 1.2e-81;
Matches 384; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

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Qy     21 TGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAA 80
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Qy     81 AAAGTTTAGCAGTGCTGTCCTCGGGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC 140
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Qy    141 TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC 200
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Qy    261 TCTGCAACCATACTGGGCAAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG 320
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RESULT 12
AI464781
LOCUS AI464781 467 bp mRNA linear EST 15-MAR-2000
DEFINITION mz79a11.y1 Soares mouse NML Mus musculus cDNA clone IMAGE:719612 5' similar to TR:Q13309 Q13309 CYCLIN A/CDK2-ASSOCIATED P45. ;, mRNA sequence.

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=> d his

     (FILE 'HOME' ENTERED AT 13:33:12 ON 30 DEC 2002)

     FILE '1MOBILITY, AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX, COMPUAB, CONF,
     CONFSCI, ELCOM, EVENTLINE, HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN,
     MEDICONF, PASCAL, PAPERCHEM2, POLLUAB, SOLIDSTATE, ADISCTI, ADISINSIGHT,
     ADISNEWS, BIOSIS, CANCERLIT, CAPLUS, ...' ENTERED AT 13:34:09 ON 30 DEC
     2002
                E HARPER JEFFREY?/AU
L1             12 S E1 OR E2
                E ELLEDGE STEPHEN?/AU
L2            361 S E1 OR E2
                E WINSTON JEFFERY
                E WINSTON JEFFREY
                E WINSTON JEFFREY?/AU
L3              1 S E1
L4              0 S L1 AND L2 AND L3
L5           5112 S F (A) BOX
L6              9 S L5 (S) (F2 (A) BETA)
L7              8 DUP REM L6 (1 DUPLICATE REMOVED)
L8             27 S L5 AND L2
L9             14 DUP REM L8 (13 DUPLICATES REMOVED)
L10            10 S L5 AND (F2 (A) BETA)
L11             9 DUP REM L10 (1 DUPLICATE REMOVED)
```

☐ 1: H58795. yr36e07.s1 Soares...[gi:1011627]

Links

IDENTIFIERS

dbEST Id: **360214**
EST name: yr36e07.s1
GenBank Acc: H58795
GenBank gi: 1011627
GDB Id: 3776527

CLONE INFO
Clone Id: IMAGE:207396 (3')
Insert length: 1404
DNA type: cDNA

PRIMERS
Sequencing: Promega -21m13
PolyA Tail: Unknown

SEQUENCE

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TAATGGTTATAGTTTTTTACAGTTCAACTATAAAATTGTTATTGTCCTCACTATTTTATT
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CAAGGCCATCTTATCAGGGATAAAATTTTTATTGGTATCCAAAAATTTTCTTTTTCCCAA
CAAAAGGTCTGAGGATTGGGCTTTTCNGTCAGGGGAAACNGGGCATTTAAAACCAAATTT
ATATATTGGTAACCTTACCTAATAGGGCCCGGCNGGCGG

Quality: High quality sequence stops at base: 217

Entry Created: Oct 6 1995
Last Updated: Oct 6 1995

COMMENTS

Insert Size: 1404
High quality sequence stops: 217
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY
Lib Name: Soares fetal liver spleen 1NFLS
Organism: Homo sapiens
Sex: male
Organ: Liver and Spleen
Develop. stage: 20 week-post conception fetus
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Pac I
R. Site 2: Eco RI

Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M. , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: July 5, 2002.

9.5%; Score 131; DB 14; Length 565;
cal Similarity 100.0%; Pred. No. 2.1e-60;
tches 131; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     922 TCTGTGTGTGACACAGACATTGATGAATTGGCATGTAATTGTACCAGGTTACAGCAGCTG 981
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     170 TCTGTGTGTGACACAGACATTGATGAATTGGCATGTAATTGTACCAGGTTACAGCAGCTG 229

Qy     982 GACATATTAGG 992
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Db     230 GACATATTAGG 240
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RESULT 17
BE836392
LOCUS BE836392 307 bp mRNA linear EST 22-SEP-2000
DEFINITION PM1-FN0059-060600-001-g02 FN0059 Homo sapiens cDNA, mRNA sequence.
ACCESSION BE836392
VERSION BE836392.1 GI:10268770
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 307)
AUTHORS Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and Simpson,A.J.
TITLE Shotgun sequencing of the human transcriptome with ORF expressed sequence tags
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
MEDLINE 20202663
COMMENT Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP, Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?t1=&t2=PM1-FN0059-060600-001-g02&t3=2000-06-06&t4=1)
Seq primer: puc 18 forward
High quality sequence start: 25
High quality sequence stop: 307.
FEATURES Location/Qualifiers
source 1. .307
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="FN0059"
/dev_stage="Adult"
/note="Organ: prostate_normal; Vector: puc18; Site_1: SmaI ; Site_2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
BASE COUNT 87 a 74 c 59 g 86 t 1 others
ORIGIN

Query Match 8.6%; Score 119; DB 12; Length 307;
Best Local Similarity 100.0%; Pred. No. 9.1e-54;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     128 TTGATAAACTACCTTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACC 187
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      72 TTGATAAACTACCTTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACC 131

Qy     188 TGTGTAGATTAGCACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAA 246
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     132 TGTGTAGATTAGCACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAA 190
```

RESULT 18
H58795/c
LOCUS H58795 339 bp mRNA linear EST 06-OCT-1995
DEFINITION yr36e07.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:207396 3', mRNA sequence.
ACCESSION H58795
VERSION H58795.1 GI:1011627
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 339)
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
TITLE The WashU-Merck EST Project
JOURNAL Unpublished (1995)
COMMENT Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 1404
High quality sequence stops: 217
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 1404 Std Error: 0.00
Seq primer: Promega -21m13
High quality sequence stop: 217.
FEATURES Location/Qualifiers
source 1. .339
/organism="Homo sapiens"
/db_xref="GDB:3776527"
/db_xref="taxon:9606"
/clone="IMAGE:207396"
/clone_lib="Soares fetal liver spleen 1NFLS"
/sex="male"
/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"
/note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site_1: Pac I; Site_2: Eco RI; 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT 109 a 57 c 53 g 113 t 7 others
ORIGIN

Query Match 8.0%; Score 111; DB 14; Length 339;
Best Local Similarity 100.0%; Pred. No. 2.3e-49;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    1161 ATAATTATATATGTACTTTAATAAAATAGTGAGGACAATAACAATTTTATAGTTGAACTG 1220
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     139 ATAATTATATATGTACTTTAATAAAATAGTGAGGACAATAACAATTTTATAGTTGAACTG 80
```

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Qy   1221 TAAAAAACTATAACCATTAATTCTTGGTCTACTTGTAAGAGTGAGAATTTA 1271
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db     79 TAAAAAACTATAACCATTAATTCTTGGTCTACTTGTAAGAGTGAGAATTTA 29
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```
RESULT 19
AL523021/c
LOCUS       AL523021                855 bp    mRNA    linear   EST 13-FEB-2001
DEFINITION  AL523021 LTI_NFL003_NBC3 Homo sapiens cDNA clone CS0DC001YC01 3
            prime, mRNA sequence.
ACCESSION   AL523021
VERSION     AL523021.1  GI:12786514
KEYWORDS    EST.
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 855)
  AUTHORS   Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
  TITLE     Full-length cDNA libraries and normalization
  JOURNAL   Unpublished (2001)
COMMENT     Contact: Genoscope
            Genoscope - Centre National de Sequencage
            BP 191 91006 EVRY cedex - France
            Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.
FEATURES             Location/Qualifiers
     source          1. .855
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
                     /clone="CS0DC001YC01"
                     /clone_lib="LTI_NFL003_NBC3"
                     /sex="male"
                     /tissue_type="neuroblastoma cells"
                     /lab_host="DH10B"
                     /note="Organ: brain; Vector: pCMVSPORT 6; 1st strand cDNA
                     was primed with a NotI-oligo(dT) primer. Five prime end
                     enriched, double-stranded cDNA was digested with Not I and
                     cloned into the Not I and Eco RV sites of the pCMVSPORT 6
                     vector.  Library was normalized. Library was constructed
                     by Life Technologies.  Contact : Feng Liang Life
                     Technologies, a division of Invitrogen 9800 Medical Center
                     Drive Rockville, Maryland 20850, USA Fax : (1) 301 610
                     8371 Email : fliang@lifetech.com URL :
                     http://fulllength.invitrogen.com"
BASE COUNT      300 a    162 c    107 g    281 t      5 others
ORIGIN

  Query Match             7.8%;  Score 107;  DB 9;  Length 855;
  Best Local Similarity   99.4%;  Pred. No. 3.2e-47;
  Matches  157;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy   1060 TTTGTTAGGAAAAAGAAAATTTTTGGATACAATAAAAATTTTATCCTGATAAGATGGCTT 1119
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    855 TTTGTTAGGAAAAAGAAAATTTTTGGATACAATAAAAATTTTATCCTGATAAGATGGCTT 796

Qy   1120 GGTTTGATAGGAAATGCCAGATAGATCAGTTAATATAGGGAATAATTATATATGTACTTT 1179
          |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db    795 GGTTTGATAGGAAATGCAAGATAGATCAGTTAATATAGGGAATAATTATATATGTACTTT 736

Qy   1180 AATAAAATAGTGAGGACAATAACAATTTTATAGTTGAA 1217
          |||||||||||||||||||||||||||||||||||||
Db    735 AATAAAATAGTGAGGACAATAACAATTTTATAGTTGAA 698
```

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RESULT 20
BG213068
LOCUS       BG213068                224 bp    mRNA    linear   EST 21-APR-2001
DEFINITION  [illegible]32670 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
[illegible]GI:13734755
```



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  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 224)
  AUTHORS   Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
            Cain,S., Leventhal,C., Thornton,M., Ramachandran,R., Whittington,J.
            , Lerner,L., Costanzo,D., McElligott,K., Boozer,S., Mays,R., Smith
            ,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K., Offenbacher
            ,J., Danzig,J. and Ducar,M.
  TITLE     Creation of genome-wide protein expression libraries using random
            activation of gene expression
  JOURNAL   Nat. Biotechnol. 19 (5), 440-445 (2001)
  MEDLINE   21227151
COMMENT     Contact: Scott J. Cain
            Athersys, Inc.
            3201 Carnegie Ave, Cleveland, OH 44115, USA
            Tel: 216 431 9900
            Fax: 216 361 9596
            Email: scain@athersys.com
            High quality sequence stop: 174.
FEATURES             Location/Qualifiers
     source          1. .224
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
                     /clone_lib="Athersys RAGE Library"
                     /cell_line="HT1080"
                     /note="See 'Creation of Genome-wide Protein Expression
                     Libraries using Random Activation of Gene Expression',
                     Nature Biotechnology, in press. Note that even though the
                     cell type indicated is HT1080, since a random activation
                     method was used, these sequence tags are not necessarily
                     expressed in HT1080 under normal circumstances."
BASE COUNT       59 a     54 c     38 g     70 t      3 others
ORIGIN

  Query Match             7.3%;  Score 101;  DB 12;  Length 224;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-44;
  Matches  101;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    469 GAAGTTATTTCTGAGATGTGTCCAAATCTACAGGCCTTAAATCTCTCCTCCTGTGATAAG 528
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     91 GAAGTTATTTCTGAGATGTGTCCAAATCTACAGGCCTTAAATCTCTCCTCCTGTGATAAG 150

Qy    529 CTACCACCTCAAGCTTTCAACCACATTGCCAAGTTATGCAG 569
          |||||||||||||||||||||||||||||||||||||||||
Db    151 CTACCACCTCAAGCTTTCAACCACATTGCCAAGTTATGCAG 191
```

```
RESULT 21
BF110118/c
LOCUS       BF110118                694 bp    mRNA    linear   EST 20-OCT-2000
DEFINITION  7n34c07.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3566580 3'
            similar to TR:O95919 O95919 DJ273N12.1 ;, mRNA sequence.
ACCESSION   BF110118
VERSION     BF110118.1  GI:10939808
KEYWORDS    EST.
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 694)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished (1997)
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
            Emmert-Buck, M.D., Ph.D.
            cDNA Library Preparation: M. Bento Soares, Ph.D.
            cDNA Library Arrayed by: Greg Lennon, Ph.D.
            DNA Sequencing by: Washington University Genome Sequencing Center
            Clone distribution: NCI-CGAP clone distribution information can be
```